

# E-WALLET

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**Abstract** - An electronic wallet is a virtual or a cashless service used as a substitute for physical cash. The aim is to keep record of daily expenses, keep record of the money we borrowed or lend to someone. In our application, security has been given the highest priority. E-Wallet is an application stored mobile phones providing to subscribers the possibility to keep record of various financial transactions. In this project we develop a mobile application that keeps track of user personal expenses, his/her personal contribution towards group expenses, maintain monthly incomes, To-Do lists, and reminders. With our application user can manage his/her expenses more effectively.

In our project, we have a unique feature name event. In this event module one can customize its event and add working members. Each customer, while registering, along with their personal information, will have to create a unique password. The customer will have to fill in the respective details only once, and then have to confirm top-up transactions by using the same unique password. The digital payment sector has observed a trend over the years and through e-wallets, life has become much easier. This application will help to keep record of daily expense which will indirectly help in saving money.

Income and Expense Tracker will maintain data of daily, weekly, monthly, yearly expenses, Manages your expenses and earnings in a simple and intuitive way. User can select category of expense, User can view and sort expense as per weekly, monthly, yearly.

**Key Words:** E-commerce, Billing Solution, expense management, reminder, mobile application

## 1. Introduction

In today's world every single person uses the Smartphone and does the smart work. While it comes to keep track of record of daily expenses one goes lazy and used to do manual work which is a difficult task. With the help of this application user can keep track of their expenses on daily and weekly basis. Tracking of budget on regular basis can give an accurate picture of where your money is going and can help how much you have spent. It also helps to how to manage money and where spending money. Managing expense, sticking to a budget and even handling investment decision are easier than ever before.

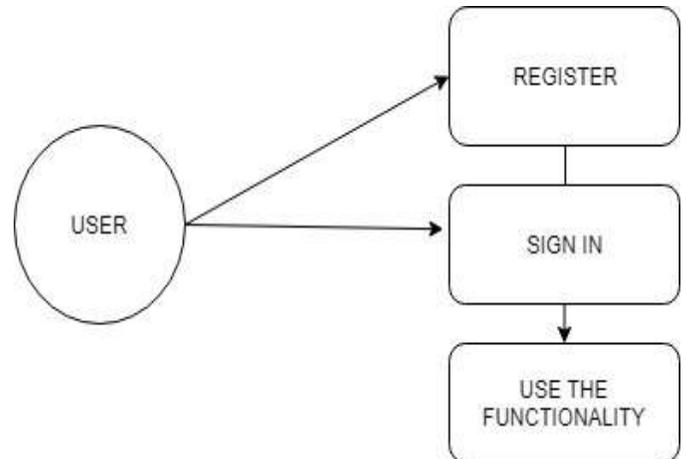


Fig- 1: System flow diagram



Fig- 2: Event Management

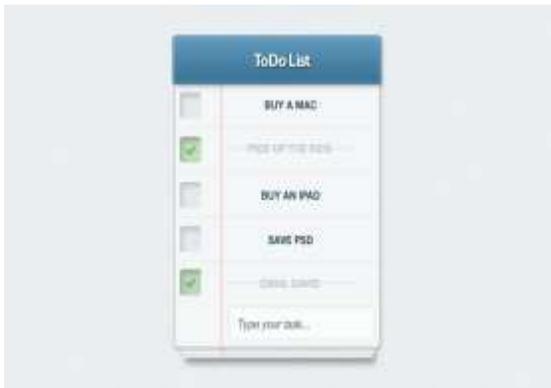


Fig- 3: To-Do List



Fig.- 4: Tracking of Expenses

Main feature of this application is reminder. Reminder will help user to remind, how much money lend to someone and

borrow from someone.

People are getting dependent on digital lifestyle to make things easy and fast. Plenty of people use pen and paper for the job without any problem. Here another feature of this application will help user to create a list of events i.e. To-Do List, by which we create a list of task. Billing solution through application is as an easy and time saving for user. Anywhere anytime can generate the bill through mobile application.

**1.1 Problem Statement**

In today’s generation (i) most of the people are doing online transaction but keeping track on day to day cash transactions and monthly report, also keeping note of lend and borrowed money is difficult. (ii) Another scenario is college event where receipt handling, data collection and extraction is time consuming and is strenuous.

**1.2 Objective**

- To keep track of record of expenses on daily and monthly basis.
- To create a list of planning by user i.e. TODO List.
- Reminder to remember borrows & return money

**2. System Architecture**

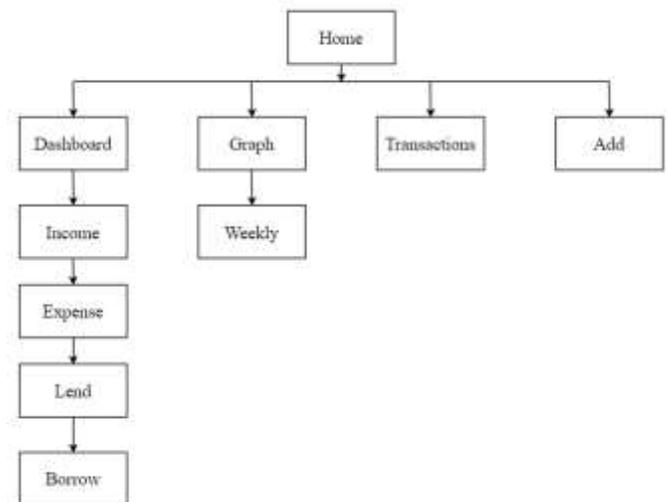


Fig.- 5: User Module

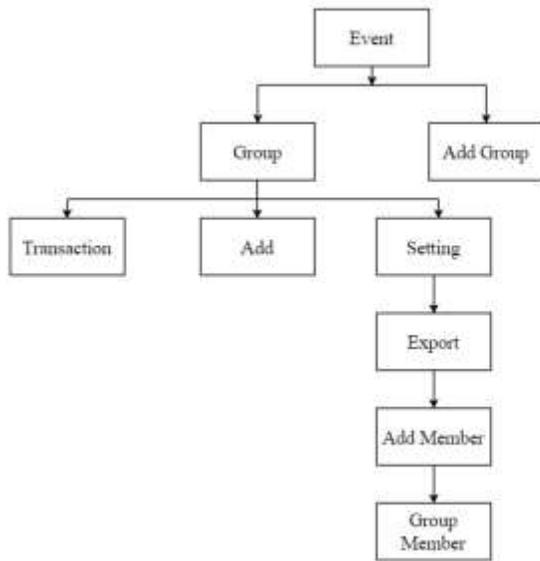


Fig.- 6: Event Module

### Implementation:

A new user have to create account for the first time using a mobile number verification and providing a user name.

The mobile number will the users unique id and OTP as the password. Next time for signing in user have to select only mobile number and OTP will verify the user.

1. On signing up user can add money to the wallet, make entry of the lend money, can see the borrowed money and add expenses/ income.
2. To show the expenses we have developed the graph GUI using the basics mathematical calculations, this graph shows the weekly report.
3. User can create a event and add the members to the event where everyone and add the details of the money spent on the purchase regarding the event.

### 3. CONCLUSIONS

Technology has inarguably made our lives easier. It has cut across distance, space and even time. Everybody wants smart work, so by this application it saves a lot of time and manual work.

Sometimes extraneous information can skew your picture of how the budget is operating. So, the aim of this application is to provide a solution for user to keep track of expenses, on how you are spending and managing your money.

Tracking your expenses daily can save your amount, but it can also help you set financial goals for the future. If you know exactly where your amount is going every month, you can easily see where some cutbacks and compromises can be made. The project what we have developed is work more efficient than the other income and expense tracker.

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